

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 59	10/615509
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant John Chen	
		Issue Date	Group No. 5

U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name		Class	Sub-class	Filing Date If Appropriate
W	AA	2	9	9	3	8	7	4	07/25/61	Hoel		260	27		
W	AB	3	1	4	9	1	8	2	09/15/64	Porter		260	879		
	AC	3	2	3	9	4	7	6	03/08/66	Harlan		260	27		
	AD	3	2	3	9	4	7	8	03/08/66	Harlan		260	27		
	AE	3	2	6	5	7	6	5	08/09/66	Holden		260	876		
	AF	3	3	2	5	4	3	0	08/13/67	Grasley		260	25		
	AG	3	3	3	3	0	2	4	07/25/67	Haefele		260	880		
	AH	3	4	6	4	8	5	0	09/02/69	Haefele		117	135.5		
	AI	3	4	8	5	7	8	7	12/23/69	Haefele		260	33.6		
	AJ	R	E	2	7	1	4	5	08/22/71	Jones		260	880		
W	AK	3	5	9	5	9	4	2	07/27/71	Wald		260	880		

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation		
														Yes	No	
W	AL	EU	4	8	3	3	7	0	4/26/91	HISAMITSU PHARMACEUTICAL CO., INC.						
W	AM	EU	4	3	9	1	8	0	1/25/91	LTS LOHMANN THERAPIE-SYSTEME GMBH & CO. KG						
W	AN	EU	2	8	5	1	8	1	4/01/88	TEIKOKU SEIVAKU KABUSHIKI KAISHA						
W	AO	EU	1	4	6	1	6	3	11/20/84	SHELL INTERNATIONAL RESEARCH						
W	AP	WO	90	0	5	1	6	6	9/11/89	RAYCHEM LIMITED						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

W	AR	ALLEN, ET AL; COMPREHENSIVE POLYMER SCIENCE-VOLUME 7; 1994; P. 416-431
W	AS	KIRK-OTHMER; ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY; 1994; 4 th Edition; P. 17-37
W	AT	GARDNER, WILLIAM; GARDNER'S CHEMICAL SYNONYMS AND TRADE NAMES; 1994;

Examiner 	Date Considered 4-24-00
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.	59	10/675509
				Applicant	John Chen	
				Issue Date	Group 1651	
				(Use several sheets if necessary)		

U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name		Class	Sub-class	Filing Date If Appropriate
W	AW	4	0	0	6	1	1	6	02/01/77	Dominguez		260	33.6		
	AX	4	0	3	2	4	5	9	06/28/77	Crossland		252	51.5		
	AY	4	0	3	6	9	1	0	07/14/77	ANDERSON		529	339		
	AZ	4	0	3	9	6	2	9	08/02/77	Himes		260	880		
	BA	4	0	4	1	1	0	3	08/09/77	Davison		260	857		
	BB	4	0	8	0	3	4	8	03/21/78	Korpman		260	27		
	BC	4	1	3	8	0	7	1	01/23/79	Korpman		260	27		
	BD	4	3	1	3	8	6	7	02/02/82	Duvdevani		260	33.6		
	BE	4	4	8	1	3	2	3	11/06/84	Sterling		524	269		
	BF	4	5	1	1	3	5	4	04/16/85	Sterling		604	98		
	BG	5	1	1	2	9	0	0	05/12/92	Buddenhagen		524	484		

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation	
														Yes	No
	AL														
	AM														
	AN														
	AO														
	AP														

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

AR			
AS			
AT			

Examiner 	Date Considered 9-24-06
<ul style="list-style-type: none"> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 	

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										Issue Date	Group	
												1651

U. S. PATENT DOCUMENTS

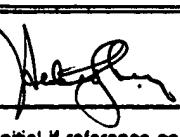
*Examiner Initial	Document Number								Date	Name		Class	Sub-class	Filing Date If Appropriate
W	AL	3	6	1	4	8	3	6	10/26/71	Snyder		36	2.5	
	AM	3	7	9	2	0	0	5	02/12/74	Harlan		260	22	
	AN	3	8	1	0	9	5	7	05/14/74	Lunk		260	876	
	AO	3	6	7	6	3	8	7	07/11/72	Lindlof		260	28.5	
	AP	3	7	5	6	9	7	7	09/04/73	Yoshimoto		260	33.6	
	AQ	3	8	2	7	9	9	9	08/08/74	Crossland		260	33.6	
	AR	3	8	3	0	7	6	7	08/20/74	Condon		260	28.5	
	AS	3	8	9	8	2	0	8	08/05/75	Krause		260	85.1	
	AT	3	9	2	9	7	1	5	12/30/75	Nowell		260	34.2	
W	AU	3	9	3	3	7	2	3	01/20/76	Grenness		260	33.6	
	AV	3	9	6	5	0	1	9	08/22/76	St. Clair		252	59	

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation		
														Yes	No	
W	AL	WO	88	0	0	6	0	3	7/17/87	RAYCHEM LIMITED						
W	AM	GB	20	1	9	4	1	6	4/18/79	MINNESOTA MINING AND MANUFACTURING COMPANY						
	AN															
	AO															
	AP															

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

W	AR	HOLDEN ET AL; THERMOPLASTIC ELASTOMERS; 2 nd EDITION; 1996; CHAPTER 1-P.1-26; CHAPTER 3-P. 27-70; CHAPTER 4-P. 71-100											
	AS												
	AT												

Examiner	Date Considered
	1-24-06
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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 59	101675509
<u>INFORMATION DISCLOSURE CITATION</u> (Use several sheets if necessary)		Applicant CAEN	
		Issue Date	Group 1657

U. S. PATENT DOCUMENTS

• Examiner Initial		Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
BH		5	4	4	2	0	0	4	08/15/95	Sutherland	524	140		
BI		5	5	4	1	2	5	0	07/30/96	Hudson	524	505		
BJ		5	5	8	0	5	7	2	12/03/96	Mikler	424	448		

FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

	AR		
	AS		
	AT		

Examiner <i>Debra Lee</i>	Date Considered 4-24-06
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM 1449 (MODIFIED) Docket No.: 59 USSN: 10/675509
 APPLICANT: JOHN Y, CHEN
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US PATENT DOCUMENTS

EX	PATENT NO.	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
CA	3660849	5/9/72	JONNES	2	2.1	7/13/70
CB	3821149	6/28/74	MAKOWSKI	260	30.6	9/28/73
CD	3827999	8/6/74	CROSSLAND	260	33.6	8/6/74
CE	3860013	1/14/75	CZAPOR	132	91	7/17/72
CF	4136699	6/30/79	COLLINS	128	290	1/21/77
CG	4151057	4/24/79	ST. CLAIR			8/14/78
CH	4176240	11/27/79	SABIA	174	23	5/30/78
CI	4259540	3/31/81	SABIA			4/20/79
CJ	4351913	9/28/82	PATEL			1/4/82
CK	4361508	11/30/82	BOURLAND	523	173	10/20/80
CL	4369284	1/18/83	CHEN			3/28/80
CM	4432607	2/21/84	LEVY	350	96.34	10/27/81
CN	4492428	1/8/85	LEVY			8/16/82
CO	4497538	2/5/85	PATEL			8/10/83
CP	4509821	4/9/85	STENGER	350	96.23	9/1/83
CQ	4600261	7/15/86	DEBBAUT			10/12/82
CR	4610738	9/9/86	JERVIS	156	49	1/4/85
CS	4618213	10/21/86	CHEN			1/18/84
TC	4643924	2/17/87	UKEN	428	35	5/2/85
CU	4662692	5/5/87	UKEN	339	96	5/2/85
CV	4678664	7/7/87	SCHMOLKA	424	65	9/30/82
CW	4680233	7/14/87	CAMIN	428	424.6	5/2/85
CX	4690831	9/1/87	UKEN	427	44	6/18/86
CY	4692369	9/8/87	NOMI	428	198	12/9/85
CZ	4709982	12/1/87	CORNE	427	44	11/13/85
DA	4716183	12/29/87	GAMARRA	522	90	11/22/85
DB	4721832	1/26/88	TOY	174	87	5/2/86
DC	4764535	8/16/88	LEICHT			8/6/84
DD	4798853	1/17/89	HANDLIN	523	173	1/20/87
DE	4801346	1/31/89	HUDDLESTON			7/30/86
DF	4822834	4/18/89	BLEVINS	524	427	4/19/88
DG	4833193	5/23/89	SIEVERDING			8/14/87
DH	4842931	6/27/89	ZOOK	428	354	7/19/88
DI	4864725	9/12/89	DEBBAUT	29	871	4/18/88
DJ	4865905	9/12/89	UKEN	428	220	12/9/88
DK	4880676	11/14/89	PULGERVER	428	35.7	11/14/89
DL	4880878	11/14/89	HIMES	525	89	12/29/87
DM	4883431	11/28/89	UKEN			9/26/86
DN	4888070	12/19/89	CLARK			12/1/87
DO	4889171	12/26/89	COVINGTON	428	304	4/21/88
DP	4889403	12/26/89	ZUCKER			12/23/87
DR	4900877	2/13/90	DUBROW	174	35	7/12/88
D	4909756	3/20/90	JERVIS			8/31/88
DT	4929211	5/29/90	RESNICK	446	14	12/2/88
DU	4942270	7/17/90	GAMARRA	174	93	7/12/88
DV	4944363	7/31/90	OSHER	273	58	2/6/90
DW	4944973	7/31/90	FOLLETTE			9/13/89

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 APPLICANT: JOHN Y, CHEN
 FILING DATE: 10/5/90 GROUP: 165, Sheet 6 of 7

US PATENT DOCUMENTS

EX ✓	PATENT NO.	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE
DX	4968747	11/6/90	MALLIKARJUN	525	74	3/30/90
DY	4983008	1/8/91	CAMPBELL	350	96.16	11/1/88
DZ	5026054	6/25/91	OSHER	273	58	7/18/90
EA	5059748	10/22/91	ALLEN	174	87	4/26/90
EB	5068138	11/26/91	MITCHELL	428	36.8	7/23/90
EC	5085597	2/4/92	STORY	439	521	3/28/91
ED	5088734	2/18/92	GLAVA	273	73	1/9/91
EE	5098421	3/24/92	ZOOK	604	367	10/16/89
EF	5126182	6/30/92	DOUGLAS	428	90	1/22/90
EG	5149736	9/22/92	GAMARRA	524	490	5/7/90
EH	5153254	10/6/92	CHEN	524	505	6/24/88
EI	5159022	10/27/92	IKEMATU	525	250	5/21/91
EJ	5167649	12/1/92	ZOOK	604	307	4/17/92
EK	5173573	12/22/92	JERVIS	174	138	3/15/91
EL	5177143	2/27/90	TOY	524	848	2/27/90
EM	5181914	1/26/93	ZOOK	604	307	5/6/92
EN	5191752	3/9/93	MURPHY	54	44.5	5/4/92
EO	5221534	6/22/93	DESLAURIERS	424	78.03	2/4/91
EP	5239723	8/31/93	CHEN	15	104	8/24/92
EQ	5262468	11/16/93	CHEN	524	476	5/23/91
ER	5324222	6/28/94	CHEN	446	34	4/29/92
ES	5330452	7/19/94	ZOOK	604	307	6/1/93
ET	5313019	5/17/94	BRUSSELMANS	174	93	12/2/92
EU	5334646	8/2/94	CHEN	524	474	10/6/92
EV	5336708	8/9/94	CHEN	524	474	8/24/92
EW	5459193	10/17/95	ANDERSON	524	505	2/23/95
EX	5475890	12/19/95	CHEN	15	104	8/30/93
EY	5479952	1/2/96	ZACHARIADES	132	321	2/23/95
EZ	5559165	8/8/95	PAUL	523	111	8/8/95
FA	5606149	2/25/97	YAWORSKI	174	92	10/13/94
FB	5618882	4/8/97	HAMMOND	525	92	11/14/94
FC	5624294	4/29/97	CHEN	446	253	11/15/93
FD	5626657	5/6/97	PEARCE	106	122	8/22/96
FE	5633286	5/27/97	CHEN	524	474	8/11/94
FF	5655947	8/12/97	CHEN	446	46	5/23/91

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FG	UK 1,268,431		MMM (3M)	1/28/69
FH	PCT/WO 91/05014	18/4/91	RAYCHEM	5/10/89
FI	PCT/WO 93/05113	18/3/93	RAYCHEM	6/9/91
FJ	PCT/WO 88/00603	28/1/88	RAYCHEM	17/7/87
FK	PCT/WO 93/23472	25/11/93	RAYCHEM	10/5/93
FL	PCT/WO 90/05166	17/5/90	RAYCHEM	9/11/89

Wang Lee

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10/675509
FORM 1449 (MODIFIED) Docket No.: 59 USSN: 10675509
APPLICANT: JOHN Y, CHEN
FILING DATE: _____ GROUP: 1651 Sheet 7 of 7

PUBLICATION

WY FM "STYRENE-DIENE TRIBLOCK COPOLYMERS: ORIENTATION CONDITIONS AND MECHANICAL PROPERTIES OF THE ORIENTED MATERIALS" A. WEILL AND R. PIXA, JOURNAL OF POLYMER SCIENCE POLYMER SYMPOSIUM 58, 381-394 (1977).

WY DATE FN TUFTEC TRADE LITERATURE, ASANI CHEMICAL CO., LTD., SYNTHETIC RUBBER DIVISION, ENGLISH AND JAPANESE 14 PAGES.

WY FO SEPTON TRADE LITERATURE, KURARAY CO., LTD. 1995.8 (4,000) 15 PAGES.

WY DATE FP SHELL CHEMICAL CO., DATA SHEETS: EKP-207 (093094-02) AND I-1203 (SC:2384-950-

WY FQ SC:1102-89 SHELL CHEMICAL TECHNICAL BULLETIN "KRATON® THERMOPLASTIC RUBBER IN OIL GELS", APRIL 1989

WY DATE FR "TUFTEC" - its characteristics and applications, Assahi Chemical.

WY FS SEPTON, High Performance Thermoplastic Rubber, Kurraay Co., LTD., 1995.

WY FT KRATON POLYMERS, May 1997, Shell Chemical Company.

WY DATE FU Silipos product catlogue

WY DATE FV Silipos products catlogue sheets: Silosheath, Pressure Ulcers, Friction Sleeves with Gel, Gel-E-Rol & Friction Tape, Mesh Tubing, Silopad.

WY FW Silipos manual, 1994.

WY QD Melt Miscibility In Blends Of Polypropylene, Polystyrene-Block-Poly(Ethylene-Sat-Butylene)-Block-Polystyrene, And Processing Oil From Melting Point Depression, Ohlesson et al., Polymer Engineering and Science, 1996, Vol. 36, No. 11.

WY FX Blends And Thermoplastic Interpenetrating Polymer Networks Of Polypropylene And Polystyrene-Block-Poly(Ethylene-Stat-Butylene)-Block-Polytstyrene Triblock Copolymer. 1: Morphology And Structure-Related Properties, Ohlesson, et al., Polymer Engineering and Science, 2/1996, Vol. 36, No.4.

WY FY Migration And Blooming Of Waxes To The Surface Of Rubber Vulcanizates, Nah, et al., J. Of Polymer Science: Polymer Physics Ed., Vol. 18, 511-521 (1980).

EXAMINER

DATE CONSIDERED

04-24-06

EXAMINER: INITIAL CITATION CONSIDERED. DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.